

CLAIMS

- 1 1. A computer controlled method comprising:
 - 2 establishing communication between a wireless sensor and a provisioning
 - 3 device over a preferred channel;
 - 4 receiving provisioning information from said provisioning device over said
 - 5 preferred channel; and
 - 6 automatically configuring said wireless sensor for transmitting sensor
 - 7 information over a secure communication channel responsive to said provisioning
 - 8 information.
- 1 2. The computer controlled method of claim 1, wherein said provisioning information
- 2 comprises a credential.
- 1 3. The computer controlled method of claim 1, wherein said provisioning information
- 2 further comprises one or more of patient data, limit data, alarm data, dosage data,
- 3 interval data, access data, physician data, caregiver data, nurse data, insurance data
- 4 or room assignment data.
- 1 4. The computer controlled method of claim 3, further comprising transmitting said
- 2 sensor information over said secure communication channel.
- 1 5. The computer controlled method of claim 1, wherein said provisioning information
- 2 further comprises one or more of sensitivity data, target data, image recognition
- 3 data, or noise characteristics.
- 1 6. The computer controlled method of claim 1, wherein said wireless sensor senses
- 2 one or more of medical information, location information, proximity information,
- 3 environmental information, or vehicle information.
- 1 7. A computer-readable storage medium storing instructions that when executed by a
- 2 computer in a wireless sensor to cause the computer to perform a method
- 3 comprising steps of:

4 establishing communication between said wireless sensor and a provisioning
5 device over a preferred channel;

6 receiving provisioning information from said provisioning device over said
7 preferred channel; and

8 automatically configuring said wireless sensor for transmitting sensor
9 information over a secure communication channel responsive to said provisioning
10 information.

1 8. The computer-readable storage medium of claim 7, wherein said provisioning
2 information comprises a credential.

1 9. The computer-readable storage medium of claim 7, wherein said provisioning
2 information further comprises one or more of patient data, limit data, alarm data,
3 dosage data, interval data, access data, physician data, caregiver data, nurse data,
4 insurance data or room assignment data.

1 10. The computer-readable storage medium of claim 9, further comprising transmitting
2 said sensor information over said secure communication channel.

1 11. The computer-readable storage medium of claim 7, wherein said provisioning
2 information further comprises one or more of sensitivity data, target data, image
3 recognition data, or noise characteristics.

1 12. The computer-readable storage medium of claim 7, wherein said wireless sensor
2 senses one or more of medical information, location information, proximity
3 information, environmental information, or vehicle information.

1 13. A wireless apparatus comprising:

2 at least one port configured to establish a preferred channel;

3 a preferred channel communication mechanism configured to be able to
4 establish communication with a provisioning device over said preferred channel;

5 a receiver mechanism configured to be able to receive provisioning
6 information from said provisioning device over said preferred channel; and

7 an automatic configuration mechanism to enable said wireless sensor to
8 transmit sensor information over a secure communication channel established
9 responsive to said provisioning information.

1 14. The apparatus of claim 13, wherein said provisioning information comprises a
2 credential.

1 15. The apparatus of claim 13, wherein said provisioning information further comprises
2 one or more of patient data, limit data, alarm data, dosage data, interval data, access
3 data, physician data, caregiver data, nurse data, insurance data, room assignment
4 data, sensitivity data, target data, image recognition data, activation data, or noise
5 characteristics.

1 16. The apparatus of claim 15, further comprising a transmission mechanism
2 configured to transmit said sensor information over said secure communication
3 channel.

1 17. The apparatus of claim 13, wherein wireless apparatus further comprises a sensor
2 for measuring said sensor information.

1 18. The apparatus of claim 13, wherein said wireless sensor senses one or more of
2 medical information, location information, proximity information, environmental
3 information, or vehicle information.

1 19. The apparatus of claim 13, wherein said sensor information is status information
2 about the apparatus.